

# Comparisons of Job Characteristics

**Focus Occupation: Forest and Conservation Workers (45-4011)**

**Associated Occupation: Tree Trimmers and Pruners (37-3013)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 49

**Focus Occupation: Forest and Conservation Workers (45-4011)**

**Associated Occupation: Tree Trimmers and Pruners (37-3013)**

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	12.1	9.2	<<	Extensive education and/or training may be required
Biology	3.7	9.2	12.8	>>	Current knowledge level is likely more than sufficient
Transportation	4.6	9.2	8.1	<	Expanded education and/or training may be required
Public Safety and Security	6.9	9.1	7.7	<	Expanded education and/or training may be required
Physics	4.3	7.7	5.2	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 73

**Focus Occupation: Forest and Conservation Workers (45-4011)**

**Associated Occupation: Tree Trimmers and Pruners (37-3013)**

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	11.1	7.1	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	10.4	7.5	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	7.0	5.4	<	A higher skill level may be required
Equipment Maintenance	3.5	5.9	4.8	<	A higher skill level may be required
Equipment Selection	3.3	5.4	4.7	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 73			
Focus Occupation: Forest and Conservation Workers (45-4011) Associated Occupation: Tree Trimmers and Pruners (37-3013)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	13.6	8.7	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	13.6	6.5	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	12.8	7.3	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	12.3	9.8	<	Some improvement in abilities may be required
Arm-Hand Steadiness	6.8	11.8	8.2	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	11.5	8.9	<<	Extensive improvement in abilities may be required
Trunk Strength	5.7	11.4	8.7	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	10.8	7.7	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	9.7	4.7	<<	Extensive improvement in abilities may be required
Gross Body Coordination	3.9	8.8	6.4	<<	Extensive improvement in abilities may be required
Dynamic Strength	3.5	8.2	7.3	<	Some improvement in abilities may be required
Speed of Limb Movement	3.2	7.7	5.4	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	7.6	6.5	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 85
<b>Focus Occupation: Forest and Conservation Workers (45-4011)</b> <b>Associated Occupation: Tree Trimmers and Pruners (37-3013)</b>		
Work Activities	Exclusivity of Activity	
Move or fit heavy objects	8	
Recognize plant diseases	72	
Use chain saws	78	

Use hand or power tools	2
Use herbicides, fertilizers, pesticides or related products	71
Use plant disease control techniques	75
Use portable hand spray equipment	82

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Forest and Conservation Workers (45-4011)**  
**Associated Occupation: Tree Trimmers and Pruners (37-3013)**

### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.